



TRADE AND COMMERCE
CANADA

SD-EA.92

STANDARDS DIVISION

OTTAWA, January 13, 1953.

MODIFICATIONS OF TYPE APPROVAL

CANADIAN WESTINGHOUSE TYPES "CA" AND "CS-1"
SINGLE-PHASE WATTHOUR METERS

The modifications to the apparatus specified herein have been duly approved by the Standards Division under the provisions of The Electricity Inspection Act, Chapter 22, 1928, as amended, and the modified apparatus may be admitted to verification in Canada.

Apparatus Modified: Types "CA" and "CS-1" Single-Phase Watthour Meters, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

Rating of Apparatus:

- (a) Modification 1:- All previously approved capacities for types "CA", "CS" and "CS-1" single-phase watthour meters.
- (b) Modification 2:- For new production of types "CA" and "CS-1" single-phase watthour meters with capacities up to and including the 15-ampere, 50- and 60-cycle ratings. (Not intended or approved for use on 25- and 50-ampere, 50- and 60-cycle, nor any of the 25-cycle meters.)

Description:

- (a) Modification 1:- The modification consists of a new single-phase watthour meter movement frame. The new frame is completely interchangeable with any frame presently incorporated in existing "CA", "CS" and "CS-1" meters. The only difference is the increase in width across the disc gap. This gives a greater area of material between the end of the gap and the back of the frame, thus making the frame more rigid and reducing any tendency towards distortion.
- (b) Modification 2:- The modification consists in a new light-load plate. The main differences between this adjuster and the existing one are: (a) U-shaped slot in tongue, (b) angle bend in tongue, (c) Black japan finish on under side of tongue. The new plate has been designed to reduce the adjustability on light load to the point where one turn of the light-load screw will equal approximately one per cent change in calibration.

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